

ABSTRACT

Disclosed is a nonaqueous electrolytic solution useful for producing a lithium secondary battery having
5 excellent cycle characteristics. Specifically disclosed
is a nonaqueous electrolytic solution for lithium
secondary batteries obtained by dissolving an electrolyte
salt in a nonaqueous solvent which is characterized by
containing 0.1 to 10 wt.% of a tert-alkylbenzene compound
10 and also containing 0.001-0.5 wt.% of a benzene compound,
wherein a hydrocarbon group having 1-4 carbon atoms is
bonded to a benzene ring via the tertiary carbon atom,
relative to the tert-alkylbenzene compound.